

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP)
INDIANA DEPARTMENT OF ENVIRONMENTAL
MANAGEMENT
OFFICE OF AIR QUALITY
and
City of Indianapolis,
Office of Environmental Services**

**Mar-Zane, Inc.
2605 Kentucky Avenue
Indianapolis, Indiana 46221**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 and 326 IAC 2-1-3.2, as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F097-10435-00165	
Issued by: Mona A. Salem, Chief Operating Officer Department of Public Works City of Indianapolis	Issuance Date: May 12, 2000 Expiration Date: May 12, 2005
First Significant Permit Revision 097-17121-00165	Affected Pages: 3, 5, 6, 23, 24, 29, 30, 31, 32, and 33, 34
Originally signed by: John B. Chavez John B. Chavez, Administrator	Issuance Date: June 12, 2003

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Office of Environmental Services (OES). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary hot drum mix asphalt plant.

Responsible Official: Larry E. Young - Vice President
Source Address: 2605 Kentucky Ave., Indianapolis, Indiana 46221
Mailing Address: P.O. Box 1585, Zanesville, Ohio 43702
SIC Code: 2951
County Location: Marion
County Status: Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) stationary hot asphalt drum mixer and aggregate dryer (unit ID: 001) (constructed in 2003), with a maximum capacity of 400 tons per hour, equipped with one (1) natural gas-fired burner with a rated heat input of 125 MMBtu per hour, using No.2 fuel oil, No 4 fuel oil, and waste oil as a backup fuel, controlled by one (1) baghouse (unit ID CE001A) for particulate matter (PM) emissions, and exhausting through one (1) stack (Stack ID: 001).
- (b) Cold mix asphalt storage pile.
- (c) One (1) asphalt storage tank with a maximum capacity of 33,750 gallons.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):.

- (a) Space heaters, process heaters, or boilers using natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour. One (1) hot oil heater rated at 2.0 MMBTU per hour combusting natural gas and No.2 fuel oil as a backup, and exhausting through one (1) stack;
- (b) One (1) portable No.2 distillate fuel oil storage tank with a maximum storage capacity of 10,000 gallons;
- (c) One (1) portable emulsion storage tank with a maximum storage capacity of 10,000 gallons;
- (d) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
- (e) Paved and unpaved roads and parking lots with public access;
- (f) Truck and conveyor transfer operations; and

(g) Aggregate stockpiles and vehicular trafficking.

Storage tanks emitting less than five (5) tons/year of VOCs, less than one (1) tons/year of a single HAP, and less than two and one-half (2.5) tons per year of any combination of HAPs. The source has four (4) above-ground, fixed-roof dome storage tanks (identified as T-1, T-2, T-3, and T-4), each having a maximum storage capacity of 20,000 gallons. The tanks are used to store asphalt and were constructed in 2003.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, and OES shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-8-6]

- (a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM and OES.
- (b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.
- (c) All terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, and OES within a reasonable time, any information that IDEM, OAQ, and OES may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (b) Upon request, the Permittee shall also furnish to IDEM, OAQ, and OES copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAQ, and OES along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAQ, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ and OES may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit, except those specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act and is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; and
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted under this permit shall contain certification by a authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, on the attached Certification Form, with each submittal.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Compliance Data
2700 South Belmont Avenue
Indianapolis, Indiana 46221
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.
- (c) The annual compliance certification report shall include the following:

- (1) The identification of each term or condition of this permit that is the basis of the certification;
- (2) The compliance status;
- (3) Whether compliance was based on continuous or intermittent data;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, and OES may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Compliance Data
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) The Permittee shall implement the Preventive Maintenance Plans, including any required record keeping, as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAQ, and OES upon request and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit.

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and OES within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

OES
Telephone No.: 317-327-2234 (ask for Compliance Data)
Facsimile No.: 317-327-2274

Failure to notify IDEM, OAQ, and OES by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Compliance Data
2700 South Belmont Avenue

Indianapolis, Indiana 46221

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, and OES may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, and OES by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Compliance Data
2700 South Belmont Avenue
Indianapolis, Indiana 46221

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
- (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.
 - (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-1.1-1(1).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)]
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ and OES determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, and OES to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, and OES at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, and OES may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and OES and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due. [326 IAC 2-5-3]
 - (2) If IDEM, OAQ and OES upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and OES takes final action on the renewal application, except that this protection shall cease

to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, and OES any additional information identified as needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-8-10] [326 IAC 2-8-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1) only if a certification is required by the terms of the applicable rule.

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-8-11(b)(2)]

Notwithstanding 326 IAC 2-8-11(b)(1)(D)(i) and 326 IAC 2-8-11(c)(1), minor permit modification procedures may be used for modifications of this permit involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches to the extent that such minor permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated by U.S. EPA.

B.20 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-8-15(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional condition:

For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

B.21 Operational Flexibility [326 IAC 2-8-15]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;

- (2) Any approval required by 326 IAC 2-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, and OES in the notices specified in 326 IAC 2-8-15(b), (c)(1), and (d).

- (b) For each such Section 502(b)(10) of the Clean Air Act change (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-8-15(c)]

The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

- (d) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (e) **Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.**

B.22 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved if as required by and in accordance with the applicable provisions of 326 IAC 2.

B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, and OES U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.
[326 IAC 2-8-5(a)(4)]
 - (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAQ, and OES or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAQ, and OES nor an authorized representative, may disclose the information unless and until IDEM, OAQ, and OES makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination

becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]

- (2) The Permittee, and IDEM, OAQ, and OES acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.24 Transfer of Ownership or Operation [326 IAC 2-1-6][326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The application which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-11(b)(3)]

B.25 Annual Fee Payment [326 IAC 2-8-4(6)][326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, and OES within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 Prevention of Significant Deterioration (PSD) not applicable.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period, as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3(a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2. The provisions of 326 IAC 9-1-2 are not federally enforceable.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on October 29, 1997. The plan consists of:

- (a) the dust from the roads be swept or treated with water or dust suppressant on an as needed basis; and
- (b) the dust from the handling and storage of all materials be treated with water or dust suppressant on an as needed basis.

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Asbestos
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector be accredited is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAQ and OES within forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES, if the source submits to IDEM, OAQ, and OES a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Compliance with applicable requirements shall be documented as required by this permit. All monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-1.1-1(1).

C.12 Maintenance of Monitoring Equipment [326 IAC 2-8-4(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.13 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.14 Pressure Gauge Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.16 Compliance Monitoring Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) to include such response steps taken.

The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan ; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

- (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ and OES shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ

may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The response action documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.18 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6. This annual statement must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8) (Emission Statement Operating Year). The annual statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

C.19 Monitoring Data Availability

- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM and OES may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements in (a) above.

C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

- (a) Records of all required monitoring data and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present

or electronically accessible at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, and OES representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or OES makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.

- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported. The Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality

100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Compliance Data
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports. The Emergency/Deviation Occurrence Report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

Stratospheric Ozone Protection

C.22 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]

- (a) One (1) stationary hot asphalt drum mixer and aggregate dryer (unit ID: 001) (constructed in 2003), with a maximum capacity of 400 tons per hour, equipped with one (1) natural gas-fired burner with a rated heat input of 125 MMBTU per hour, using No.2 fuel oil, No 4 fuel oil, and waste oil as a backup fuel, controlled by one (1) baghouse (unit ID CE001A) for particulate matter (PM) emissions, and exhausting through one (1) stack (Stack ID: 001).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Matter (PM) [326 IAC 12] [326 IAC 6-1-2(a)][40 CFR 60.90, Subpart I] [326 IAC 2-2] [40 CFR 52.21]

Pursuant to 326 IAC 6-1-2(a) and the New Source Performance Standards, 326 IAC 12 (40 CFR 60.90 to 60.93, Subpart I):

- (a) particulate matter emissions from the hot mix asphalt facility shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf). Compliance with 326 IAC 6-1-2(a) will satisfy 326 IAC 12 and 40 CFR 60.92(a)(1), Subpart I, and
- (b) the visible emissions from the hot mix asphalt facility shall not exceed 20 percent opacity.

This emission limitation is equivalent to 7.82 pounds per hour based on an exhaust rate of 42,559 acfm and an exhaust gas temperature and moisture content of 230 degrees Fahrenheit 30 percent respectively. Compliance with this limit makes 326 IAC 2-2 and 40 CFR 52.21 not applicable.

D.1.2 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate mixing and drying operation shall not exceed 22.2 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) and PSD rules (326 IAC 2-2 and 40 CFR 52.21) do not apply.

D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.50% by weight when combusting distillate oil and 1.6 pounds per MMBTU heat input when combusting residual oil.

D.1.4 NO_x Emissions - Natural gas usage [326 IAC 2-8-4] [326 IAC 2-2] [40 CFR 52.21]

Pursuant to 326 IAC 2-8-4(1), the input of natural gas and natural gas equivalents to the aggregate dryer burner shall not exceed 1028.95 million cubic feet (MMCF) per twelve (12) consecutive month period, rolled on a monthly basis. For the purposes of determining compliance every 1,000 gallons (kgal) of No.2 fuel oil or No. 4 fuel oil burned is equivalent to 0.20 MMCF of natural gas burned; and every 1,000 gallons of waste fuel oil burned is equivalent to 0.19 MMCF of natural gas burned. Therefore, the requirements of 326 IAC 2-7, 326 IAC 2-2, and 40 CFR 52.21 will not apply.

D.1.5 SO₂ Emissions - Fuel oil usage [326 IAC 2-8-4] [326 IAC 2-2] [40 CFR 52.21]

Pursuant to 326 IAC 2-8-4(1), the input of No. 2 fuel oil and No.2 fuel oil equivalents to the aggregate dryer shall be limited to, 2,663,662 U.S. gallons per twelve (12) consecutive months, rolled on a monthly basis (based on No. 2 fuel oil having a maximum sulfur content of 50%). For purposes of determining compliance: every MMCF of natural gas burned is equivalent to 8.5 gallons of No.2 fuel oil burned; every gallon of No. 4 fuel oil (with a sulfur content of 0.50%) burned is equivalent to 1.06 gallons of No. 2 fuel burned; and every gallon of waste oil (with a sulfur content of 1.51%) burned is equivalent to 3.13 gallons of No. 2 fuel oil burned. Therefore, the requirements of 326 IAC 2-7, 326 IAC 2-2, and 40 CFR 52.21 will not apply.

D.1.6 Non-Applicability

Pursuant to 326 IAC 2-7-15 (Permit Shield) Condition 3 of the Construction Permit 940163, issued June 1, 1994 has been replaced with Condition D.1.2, D.1.4, and D.1.5 and is no longer applicable and therefore no longer federally enforceable.

D.1.7 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.1.8 Testing Requirements [326 IAC 2-8-5(1)] [40 CFR 60, Subpart I]

Within sixty (60) days of achieving the maximum production rate, but not later than 180 days after initial startup of the aggregate mixer and dryer, the Permittee shall perform PM and PM-10 testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A) for PM and Methods 201 or 201A and 202 (40 CFR 51, Appendix M) for PM-10, or other methods as approved by the Commissioner to document compliance with Condition D.1.1 and D.1.2. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10.

D.1.9 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight for distillate fuel oil and 1.51% by weight for residual fuel oil by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a certification;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
- (b) Compliance may also be determined by conducting stack tests for sulfur dioxide emissions from the 125.0 MMBTU per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.10 Particulate Matter (PM)

The baghouse for PM control shall be in operation at all times when the aggregate dryer is in operation and exhausting to the outside atmosphere.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.11 Visible Emissions Notations

- (a) Visible emission notations of the aggregate dryer baghouse stack exhaust shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports shall be considered a violation of this permit.

D.1.12 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer, at least once per shift when the aggregate dryer is in operation. When for any one reading, the pressure drop across the baghouse is outside the range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - The Compliance Response Plan - Failure to Take Response. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ and OES, and shall be calibrated at least once every six (6) months.

D.1.13 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the drum mixer and dryer. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

D.1.14 Broken Bag or Failure Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described

in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.15 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.4, the Permittee shall maintain records in accordance with (1) through (2) below.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual natural gas and fuel oil equivalence usage per month since last compliance determination period and equivalent NOx emissions;
- (b) To document compliance with Conditions D.1.5 and D.1.9, the Permittee shall maintain records in accordance with (1) through (5) below.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual No. 2 distillate fuel oil and natural gas, fuel oil No. 4 and waste oil equivalence usage per month since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance, the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications.
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (c) To document compliance with Condition D.1.11, the Permittee shall maintain once per shift records of visible emission notations of the aggregate dryer baghouse stack exhaust.

- (d) To document compliance with Condition D.1.12, the Permittee shall maintain the following records as specifically related to the baghouse:
 - (1) Once per shift records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure; and
 - (B) Cleaning cycle: frequency and differential pressure.
 - (2) Documentation of all response steps implemented, per event .
 - (3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
- (e) To document compliance with Condition D.1.13, the Permittee shall maintain records of the results of the inspections required under Condition D.1.13.
- (f) To document compliance with Condition D.1.7, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (g) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.16 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.4 and D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported.

D.1.17 Used Oil Requirements

The waste oil burned in the dryer shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:

- (a) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),
- (b) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and
- (c) Maintaining records pursuant to 329 IAC 13-8-6 (Tracking).

The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC 3.1 is prohibited at this source.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]

- (b) Cold mix asphalt storage piles.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Cold-Mix (Stockpile Mix) VOC Usage [326 IAC 2-8-4]

- (a) The usage of diluent in the production of cold mix (stockpile mix) asphalt shall be limited to 336.77 tons per twelve (12) consecutive month period, rolled on a monthly basis. This is equivalent to a VOC emission limit of 80.82 tons per twelve (12) consecutive month period in the production of cold mix (stockpile mix) asphalt. During the first twelve (12) months of operation under this permit, the usage of diluent shall be limited such that the total usage divided by the accumulated months of operation shall not exceed 28.06 tons per month.
- (b) The volume percent of diluent in the cutback asphalt shall not exceed 7.0%.
- (c) The VOC content of the diluent shall not exceed 35.0% by weight.

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-5-2] [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) of distillate by volume of emulsion for any paving application except:
- (1) penetrating prime coating;
 - (2) stockpile storage;
 - (3) application during the months of November, December, January, February, and March.

D.2.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)]

The Permittee is not required to test this facility by this permit. However, OES and IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by OES and IDEM, compliance with the VOC limits specified in Conditions D.2.1 and D.2.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.5 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records of cold mix asphalt throughput in tons per month.
- (b) To document compliance with Condition D.2.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.6 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported.

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]

- (c) One (1) asphalt cement storage tank with a maximum storage capacity of 33,750 gallons.

Storage tanks emitting less than five (5) tons/year of VOCs, less than one (1) tons/year of a single HAP, and less than two and one-half (2.5) tons per year of any combination of HAPs. The source has four (4) above-ground, fixed-roof dome storage tanks (identified as T-1, T-2, T-3, and T-4), each having a maximum storage capacity of 20,000 gallons. The tanks are used to store asphalt and were constructed in 2003.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Volatile Organic Compounds (VOCs) [326 IAC 12] [40 CFR 60.110b, Subpart Kb]

Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the 33,750 gallon asphalt cement storage tank and the four (4) 20,000 gallon asphalt storage tanks (T-1, T-2, T-3 and T-4), with a vapor pressure of less than 15.0 kPa, is subject to 40 CFR Part 60.116b, paragraphs (a), (b), and (d). 40 CFR Part 60.116b (a) and (b) requires record keeping and (d) requires notification if a volatile organic liquid is stored with a vapor pressure of 15.0 kPa or greater.

Any change or modification which may increase the capacity or maximum true vapor pressure of the liquid stored in the asphalt cement and asphalt storage tanks, shall obtain prior approval from the OES and Office of Air Quality (OAQ).

D.3.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.3 Record Keeping Requirements [40 CFR 60.110b, Subpart Kb]

- (a) To document compliance with Condition D.3.1, the Permittee shall maintain permanent records at the source in accordance with (1) and (2) below:
- (1) the dimension of the storage vessels; and
 - (2) an analysis showing the capacity of the storage vessels.
- (b) To document compliance with Condition D.3.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 463221
Mailing Address: P.O.Box 1585, Zanesville, Ohio 43702
FESOP No.: F097-10435-00165

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: P.O.Box 1585, Zanesville, Ohio 43702
FESOP No.: F097-10435-00165

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2	
9 1.	This is an emergency as defined in 326 IAC 2-7-1(12) CThe Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and CThe Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
9 2.	This is a deviation, reportable per 326 IAC 2-7-5(3)(c) CThe Permittee must submit notice in writing within ten (10) calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: P.O.Box 1585, Zanesville, Ohio 43702
FESOP No.: F097-10435-00135
Facility: Aggregate dryer
Parameter: NO_x Emissions
Limit: The input of natural gas and natural gas equivalents to the aggregate dryer burner shall not exceed 1,028.95 million cubic feet (MMCF) per twelve (12) consecutive month period. For purposes of determining compliance, when No.2 fuel oil, or No. 4 fuel oil is burned, the following equivalency calculation shall be performed: every 1,000 gallons of No.2 fuel oil burned is equivalent to 0.20 MMCF of natural gas burned, and every 1,000 gallons of waste fuel oil burned is equivalent to 0.19 MMCF of natural gas.

YEAR: _____

Month	Natural Gas and equivalent usage (MMCF)	Natural Gas and equivalent usage (MMCF)	Natural Gas and equivalent usage (MMCF/yr)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: P.O.Box 1585, Zanesville, Ohio 43702
FESOP No.: F097-10435-00135
Facility: Aggregate dryer
Parameter: SO₂ Emissions
Limit: The input of No. 2 fuel oil and No.2 fuel oil equivalents to the aggregate dryer shall be limited to 2,663,662 U.S. gallons per twelve (12) consecutive months, rolled on a monthly basis and based on No. 2 fuel oil having a maximum sulfur content of 0.50%. For purposes of determining compliance: every MMCF of natural gas burned is equivalent to 8.5 gallons of No.2 fuel oil burned. Every gallon of No.4 fuel oil burned (with a sulfur content of 0.50%) is equivalent to 1.06 gallons of No. 2 fuel oil burned, and every gallon of waste oil (with a sulfur content of 1.51%) burned is equivalent to 3.13 gallons of No. 2 fuel oil burned.

YEAR: _____

Month	No.2 Fuel oil and equivalent usage (U.S. Gallons)	No.2 Fuel oil and equivalent usage (U.S. Gallons)	No.2 Fuel oil and equivalent usage (U.S. Gallons/year)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: P.O.Box 1585, Zanesville, Ohio 43702
FESOP No.: F097-10435-00135
Facility: Stockpile mix
Parameter: VOC
Limit: The usage of diluent in the production of cold mix (stockpile mix) asphalt shall be limited to 336.77 tons per twelve (12) consecutive month period, rolled on a monthly basis. The total for each month shall not exceed the difference between the annual usage limit minus the sum of actual usage from the previous eleven (11) months. This is equivalent to a VOC emission limit of 80.82 tons per twelve (12) consecutive month period in the production of cold mix (stockpile mix) asphalt. During the first twelve (12) months of operation under this permit, the usage of diluent shall be limited such that the total usage divided by the accumulated months of operation shall not exceed 28.06 tons per month.

YEAR: _____

Month	Cold mix asphalt throughput (tons)	Cold mix asphalt throughput (tons)	Cold mix asphalt throughput (tons/year)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY COMPLIANCE MONITORING REPORT**

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: P.O.Box 1585, Zanesville, Ohio 43702
FESOP No.: F097-10435-00135

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.3)	Number of Deviations	Date of each Deviation

Form Completed By: _____
Title/Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	Mar-Zane, Inc.
Source Location:	2605 Kentucky Avenue, Indianapolis, Indiana 46221
County:	Marion
SIC Code:	2951
Operation Permit No.:	F097-10435-00165
Significant Permit Revision No.:	097-17121-00165
Permit Reviewer:	ERG/AAB

On April 10, 2003, the Office of Air Quality (OAQ) and the City of Indianapolis, Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Mar-Zane, Inc. had applied for a Significant Permit Revision to their Federally Enforceable State Operating Permit (FESOP) to replace the drum mixer, aggregate dryer burner, and baghouse and to install four new storage tanks. The notice also stated that OAQ and OES proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On April 9, 2003, Mar-Zane, Inc. submitted comments on the proposed Significant Permit Revision to the FESOP. The summary of the comments is as follows:

Comment:

Mar-Zane, Inc. plans to construct four new asphalt storage tanks in April/May 2003. The new storage tanks will each have capacities of 20,000 gallons and will be above-ground, fixed-dome storage tanks. The tanks will be heated to a maximum temperature of 300 degrees Fahrenheit. Each tank will have an annual throughput of 1,400,000 gallons. The tanks will be 34 feet high and 10.5 feet in diameter. The maximum true vapor pressure of the asphalt is 0.022 psi. The VOC emissions from these tanks were calculated to be 0.0068 pounds per hour using EPA Tanks Program. These emissions are below the insignificant emission unit thresholds.

Response:

IDEM, OAQ and OES have reviewed the emission calculations provided by Mar-Zane, Inc. and agree that the new storage tanks meet the definition of insignificant emission units as defined in 326 IAC 2-7-1(21). Since the capacity of each storage tank is above 40 cubic meters (10,500 gallons), the new tanks will be subject to the requirements of 40 CFR 60, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984). The storage tanks are subject to 40 CFR 60.116(a) and (b) because the storage capacities are greater than 75 cubic meters (19,817 gallons) and less than 151 cubic meters (39,898 gallons) and the maximum vapor pressure is less than 15.0 kPa (2.16 psi). 40 CFR 60.116(a) and (b) require the source to maintain records of the design capacity and

dimensions of the storage tank. The records must be kept onsite for the life of the storage tank. The storage tanks are exempt from the general requirements of 40 CFR 60, Subpart A. The permit has been updated as follows:

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

....

- (g) Aggregate stockpiles and vehicular trafficking.

Storage tanks emitting less than five (5) tons/year of VOCs, less than one (1) tons/year of a single HAP, and less than two and one-half (2.5) tons per year of any combination of HAPs. The source has four (4) above-ground, fixed-roof dome storage tanks (identified as T-1, T-2, T-3, and T-4), each having a maximum storage capacity of 20,000 gallons. The tanks are used to store asphalt and were constructed in 2003.

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]

- (c) One (1) asphalt cement storage tank with a maximum storage capacity of 33,750 gallons.

Storage tanks emitting less than five (5) tons/year of VOCs, less than one (1) tons/year of a single HAP, and less than two and one-half (2.5) tons per year of any combination of HAPs. The source has four (4) above-ground, fixed-roof dome storage tanks (identified as T-1, T-2, T-3, and T-4), each having a maximum storage capacity of 20,000 gallons. The tanks are used to store asphalt and were constructed in 2003.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Volatile Organic Compounds (VOCs) [326 IAC 12] [40 CFR 60.110b, Subpart Kb]

Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the 33,750 gallon asphalt cement storage tank **and the four (4) 20,000 gallon asphalt storage tanks (T-1, T-2, T-3, and T-4)**, with a vapor pressure of less than 15.0 kPa, is subject to 40 CFR Part 60.116b, paragraphs (a), (b), and (d). 40 CFR Part 60.116b (a) and (b) requires record keeping and (d) requires notification if a volatile organic liquid is stored with a vapor pressure of 15.0 kPa or greater.

Any change or modification which may increase the capacity or maximum true vapor pressure of the liquid stored in the asphalt cement **and asphalt** storage tanks, shall obtain prior approval from the OES and Office of Air Quality (OAQ).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.3 Record Keeping Requirements [40 CFR 60.110b, Subpart Kb]

- (a) To document compliance with Condition D.3.1, the Permittee shall maintain permanent records at the source in accordance with (1) and (2) below:
- (1) the dimension of the storage vessels; **and**
 - (2) an analysis showing the capacity of the storage vessels; ~~and~~.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

No changes have been made to the TSD because OAQ and OES prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Upon further review, the OAQ and OES have decided to make the following revisions to the permit (bolded language has been added, the language with a line through has been deleted). The Table of Contents has been modified, as applicable to reflect these changes.

1. The duty to supplement an application is not an ongoing requirement after the permit is issued; therefore, (a) has been removed from B.8 Duty to Supplement and Provide Information.

B.8 Duty to Supplement and Provide Information ~~[326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]~~

- ~~(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:~~

~~_____ Indiana Department of Environmental Management
_____ Permits Branch, Office of Air Quality
_____ 100 North Senate Avenue, P.O. Box 6015
_____ Indianapolis, Indiana 46206-6015~~

~~and~~

~~_____ Office of Environmental Services
_____ Air Quality Management Section, Permits
_____ 2700 South Belmont Avenue
_____ Indianapolis, Indiana 46221~~

~~_____ The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b)~~**(a)** The Permittee shall furnish to IDEM, OAQ, and OES within a reasonable time, any information that IDEM, OAQ, and OES may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- ~~(e)~~**(b)** Upon request, the Permittee shall also furnish to IDEM, OAQ, and OES copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAQ, and OES along with a claim of confidentiality under 326 IAC 17.

If requested by IDEM, OAQ, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

2. B.13 (b) was revised to clarify that required record keeping needs to be implemented as well as the rest of the plan to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit. Also, (c) has been revised to clarify that OAQ and/or OES may require the Permittee to revise its PMPs whenever lack of proper maintenance is the primary contributor to an exceedance of any limitation on emissions or potential to emit. Because the general record keeping requirements (ie retained for 5 years) are in Section C, it is not necessary to include them in this condition or in the D condition. At some sources, an OMM Plan is required. Instead of having two separate plans, the OMM Plan may satisfy the PMP requirements, so (d) has been added to this condition.

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

...

- (b) The Permittee shall implement the PMPs, **including any required record keeping**, as necessary to ensure that failure to implement a PMP does not cause or contribute to ~~a violation~~ **an exceedance** of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAQ, and OES upon request and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or ~~contributes to any violation~~ **is the primary contributor to an exceedance of any limitation on emissions or potential to emit**. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) **To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.**

3. In order to clarify that an amendment or modification will not be required for the addition, operation or removal of a nonroad engine, (d) has been added to B.18 Permit Amendment or Revision.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

Any such application shall be certified by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- (d) **No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.**

4. For clarity, additional rule cites have been added to B.23 Inspection and Entry.

B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, and OES, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee’s premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have** ~~Have~~ access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect** ~~inspect~~, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample** ~~Sample~~ or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize** ~~Utilize~~ any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

5. Condition C.9 Asbestos Abatement Projects has been revised to clarify that the requirement to have an Indiana Accredited Asbestos inspector is not federally enforceable and a rule cite corrected.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140, Subpart M]

(a) . . .

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation

The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(f)(g) Indiana Accredited Asbestos Inspector

The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. ~~The requirement that the inspector be accredited, pursuant to the provision of 40 CFR 61, Subpart M, is federally enforceable.~~ **The requirement to use an Indiana Accredited Asbestos inspector be accredited is not federally enforceable.**

6. C.15 Risk Management Plan has been revised so that it is more straightforward, and the condition requires the source to comply with the applicable requirements of 40 CFR 68 if a regulated substance is present at a source in more than a threshold quantity. Remember to update TOC.

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215] (Mandatory)

If a regulated substance, ~~subject to as defined in 40 CFR 68,~~ is present at a source in more than a threshold quantity, ~~40 CFR 68 is an applicable requirement and the Permittee shall submit:~~ **the source must comply with the applicable requirements of 40 CFR 68.**

~~(a) Submit:~~

- ~~(1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or~~
- ~~(2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and~~
- ~~(3) A verification to IDEM, OAQ, and OES that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.~~
- ~~(b) Provide annual certification to IDEM, OAQ, and OES that the Risk Management Plan is being properly implemented.~~

~~All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

7. Some sources are required to have an Operation, Maintenance and Monitoring (OMM) Plan or Start-up, Shutdown, and Malfunction (SSM) Plan. Instead of having an additional plan, it has been determined that having an OMM can satisfy the requirements for having a CRP. If a source is required to have an SSM Plan, a Parametric Monitoring Plan would also be required to satisfy the requirements to have a CRP. Additional language has been added for these options. Failure to take reasonable response steps shall be considered deviation of the permit; therefore, (b)(4) was revised. Language was added to (e) to clarify that the records that need to be kept are those instances when, in accordance with Section D, response steps are taken.

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each

compliance monitoring condition of this permit. **If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions.** A CRP shall be submitted to IDEM, OAQ and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:

- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
- (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan **or Operation, Maintenance and Monitoring (OMM) Plan** and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan **or Operation, Maintenance and Monitoring (OMM) Plan** to include such response steps taken.

The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan **or Operation, Maintenance and Monitoring (OMM) Plan**; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan **or Operation, Maintenance and Monitoring (OMM) Plan** is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall ~~constitute a violation of~~ **be considered a deviation from** the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously

submitted a request for an administrative amendment to the permit, and such request has not been denied.

- (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
 - (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
 - (e) The Permittee shall record all instances when, **in accordance with Section D**, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
 - (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.
8. In order to clarify which documents need to be certified by an authorized individual, the following update to Condition C.17 has been made:
- C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]
-
- ...
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.
- The **response action** documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
9. It is acceptable for records to be electronically accessible instead of being physically present at a source; therefore, the following update has been made to Condition C.20:
- C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]
-
- (a) Records of all required **monitoring** data, reports and support information **required by this permit** shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be ~~kept physically present or electronically accessible~~ at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.
10. A requirement has been added to the D sections to require records of preventive maintenance to be maintained.

D.1.15 Record Keeping Requirements

...

- (e) To document compliance with Condition D.1.13, the Permittee shall maintain records of the results of the inspections required under Condition D.1.13.
- (f) **To document compliance with Condition D.1.7, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.**
- ~~(f)~~(g) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.5 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records of cold mix asphalt throughput in tons per month.
- (b) **To document compliance with Condition D.2.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.**
- ~~(b)~~(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.3 Record Keeping Requirements [40 CFR 60.110b, Subpart Kb]

- (a) To document compliance with Condition D.3.1, the Permittee shall maintain permanent records at the source in accordance with (1) and (2) below:
 - (1) the dimension of the storage vessels; and
 - (2) an analysis showing the capacity of the storage vessels.
- (b) **To document compliance with Condition D.2.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.**
- ~~(b)~~(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**Indiana Department of Environmental Management
Office of Air Quality
and
City of Indianapolis, Office of Environmental Services**

**Technical Support Document (TSD) for a
Significant Permit Revision to a
Federally Enforceable State Operating Permit (FESOP)**

Source Background and Description

Source Name:	Mar-Zane, Inc.
Source Location:	2605 Kentucky Ave, Indianapolis, Indiana 46221
County:	Marion
SIC Code:	2951
Operation Permit No.:	F097-10435-00165
Operation Permit Issuance Date:	May 12, 2000
Permit Revision No.:	097-17121-00165
Permit Reviewer:	ERG/AAB

The Office of Air Quality (OAQ) and the City of Indianapolis, Office of Environmental Services (OES) have reviewed a revision application from Mar-Zane, Inc. relating to the operation of one (1) stationary hot asphalt drum mixer and aggregate dryer (unit ID: 001) (constructed in 2003), with a maximum capacity of 400 tons per hour, equipped with one (1) natural gas-fired burner with a rated heat input of 125 MMBtu per hour, using No.2 fuel oil, No. 4 fuel oil, and waste oil as a backup fuel, controlled by one (1) baghouse (unit ID CE001A) for particulate matter (PM) emissions, and exhausting through one (1) stack (Stack ID: 001).

History

On January 15, 2003, Mar-Zane, Inc., submitted an application to the OAQ and OES requesting to replace the drum mixer, aggregate dryer burner, and the baghouse used to control particulate emissions. The new equipment will be of the same type, but will have a slightly larger capacity as the existing equipment.

Existing Approvals

The source was issued a FESOP (#F097-10435-00165) on May 12, 2000.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

No new stacks will be constructed at this source.

Recommendation

The staff recommends to the Commissioner that the Significant Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on January 15, 2003.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Appendix A, Pages 1 through 6).

Potential To Emit of the Revision

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	49,100
PM-10	11,400
SO ₂	289.5
VOC	3.9
CO	46.0
NO _x	874.3

HAPs	Potential To Emit (tons/year)
Formaldehyde	5.43
Lead	2.2
Other HAPs	8.27
TOTAL HAPs	15.9

Justification for Revision

The FESOP is being modified through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8.11.1(f) because it is not an administrative amendment under 326 IAC 2-8-10 or subject to 326 IAC 2-8-11.1(d). Note that this modification cannot be made under 326 IAC 2-8-11.1(d)(6) because, although it is subject to 40 CFR 60, Subpart I, this modification is subject to 326 IAC 6-1, which is more stringent than the requirements of 40 CFR 60, Subpart I.

Potential to Emit after Revision

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units. The control equipment is considered federally enforceable only after issuance of this Permit Revision.

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
Aggregate Dryer	97.2	97.2	94.6	18.1	46.0	97.75	15.3
cold mix VOC storage	--	--	--	80.8	--	--	--
Bin loading and conveying*	0.35	0.35	--	--	--	--	--
Screening and Batch drops*	0.17	0.08	--	--	--	--	--
unpaved roads*	2.70	0.94	--	--	--	--	--
storage piles*	0.51	0.18	--	--	--	--	--
Insignificant Activities	0.13	0.07	4.44	0.05	0.74	1.25	--
Total Emissions	101.1	98.9	99.0	99.0	46.7	99.0	15.3

* These activities also qualify as insignificant activities.

After the replacement of the drum mixer, 125 MMBtu/hour burner, and the baghouse, the potential to emit of the criteria pollutants from the entire source is still less than the Title V major source thresholds. Therefore, the requirements of 326 IAC 2-7 are not applicable to this source.

County Attainment Status

The source is located in Marion County

Pollutant	Status
PM-10	Attainment
SO ₂	Maintenance Attainment
NO ₂	Attainment
Ozone	Maintenance Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as attainment or unclassifiable for ozone.
- (b) Marion County has been classified as attainment or unclassifiable for PM10, SO2, NO2, CO and lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (c) Fugitive Emissions
Although this type of operation is not one of the 28 listed source categories under 326 IAC 2-2, there is an applicable New Source Performance Standards (40 CFR 60, Subpart I) that was in effect prior to August 7, 1980. Therefore, the fugitive PM emissions are counted toward determination of PSD and Emission Offset applicability.

Federal Rule Applicability

- (a) This source is subject to the New Source Performance Standard (NSPS), 40 CFR 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities (326 IAC 12) because it manufactures hot mix asphalt by heating and drying aggregate and mixing with asphalt cements. This source is currently subject to this NSPS because the existing emission units were constructed after the June 11, 1973 applicability date. The

changes proposed in this permit revisions are considered a replacement of existing units.

This NSPS requires the source to comply with the following requirements:

- (1) Particulate matter emissions from the asphalt plant shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf), and
- (2) The visible emissions from the plant shall not exceed 20 percent opacity.

40 CFR 60.93 and 40 CFR 60.8 require the source to conduct stack testing to demonstrate compliance with the particulate matter emission limit and the opacity limit. The testing must be conducted within 60 days of achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. The source is required to notify IDEM, OAQ, and OES at least 30 days prior to the date of the performance test.

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) applicable to this source.

State Rule Applicability - Entire Source

326 IAC 2-8 (FESOP Limitations)

The new emission units will comply with the FESOP limitations specified in the current permit for SO₂, NO_x, and PM₁₀. These limits include:

- (a) The 125 MMBtu per hour burner for the aggregate dryer shall be limited as follows:
 - (1) The input of natural gas and natural gas equivalents to the aggregate dryer burner shall not exceed 1,028.95 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month. This limit, when combined with the NO_x emissions from other operations, shall limit the source-wide potential to emit NO_x to less than 100.0 tons per year. For purposes of determining compliance, 1,000 gallons of No.2 fuel oil or No. 4 fuel oil burned is equivalent to 0.20 MMCF of natural gas burned; and 1,000 gallons of waste fuel oil burned is equivalent to 0.19 MMCF of natural gas burned.
 - (2) The input of No.2 fuel oil and No. 2 fuel oil equivalents to the aggregate dryer shall be limited to 2,663,662 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. The sulfur content of the fuel oil burned shall be limited to 0.50%. This limit, when combined with the SO₂ emissions from other operations, shall limit the source-wide potential to emit SO₂ to less than 100.0 tons per year. For purposes of determining compliance: 1MMCF of natural gas burned is equivalent to 8.5 gallons of No.2 fuel oil burned; every gallon of No. 4 fuel oil (with sulfur content of 0.5%) burned is equivalent to 1.06 gallons of No. 2 fuel oil burned; and every gallon of waste oil (with sulfur content of 0.5%) burned is equivalent to 3.13 gallons of No. 2 fuel oil burned.
- (b) The PM₁₀ emissions from the aggregate dryer shall be limited to 22.2 pounds per hour.

Note: The source will comply with this limit using a new baghouse, which has an outlet grain loading of 0.0075 grains/dscf and a maximum flow rate of 65,000 acfm. At a gas temperature of 230°F and a water content of approximately 30%, the particulate emissions from the dryer are equal to 2.24 pounds per hour or 9.8 tons per year.

- (c) The throughput of cold-mix asphalt shall be limited to 4,811 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is based on a maximum 7.0% of cutback asphalt or emulsion in the total cold-mix asphalt produced and a maximum oil distillate content of 35.0% in cutback asphalt. This condition limits the VOC emissions to 80.82 tons per year from the aggregate dryer. This limit combined with the VOC emissions from the insignificant activities (18.18 tons per year), limits the source-wide potential to emit VOC to less than 100 tons per year.

326 IAC 2-2 (Prevention of Significant Deterioration)

This source was constructed in 1994 and is not in one of the twenty-eight (28) listed source categories. At construction, the potential to emit PM, PM₁₀, SO₂ and NO_x were greater than the 250 tons per year PSD threshold. The source agreed to limit the emissions of these pollutants to less than the major source thresholds. The source has agreed to comply with source emission limitations after the installation of the new drum mixer and aggregate dryer. Therefore, the source is not subject to the requirements of 326 IAC 2-2 and 40 CFR 52.21.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants)

The operation of the asphalt plant will emit less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of VOC and is located in Marion County. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirements as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability - Individual Facilities

326 IAC 6-1-2 (Particulate Emissions Limitations)

The particulate matter emissions from the aggregate mixing and drying operation are subject to the requirements of 326 IAC 6-1-2 (Particulate Emissions Limitations) because this source is located in Marion County and has actual particulate matter emissions greater than 10 tons per year.

Pursuant to 326 IAC 6-1-2(a), the particulate emissions from the asphalt plant shall not exceed 0.03 grains per dry standard cubic feet (gr/dscf).

Note: Compliance with 326 IAC 6-1-2(a) will also satisfy the requirements of 40 CFR 60, Subpart I and 326 IAC 12. The source will comply with this limit using a new baghouse that has an outlet grain loading of 0.0075 gr/scf.

326 IAC 6-1-12 (Particulate Emissions Limitations for Marion County)

This source is not subject to 326 IAC 6-1-12 because it is not one of the listed sources.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The dryer burner is subject to the requirements of 326 IAC 7-1.1 because the potential emissions of sulfur dioxide are greater than 25 tons per year. Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from the dryer burner shall not exceed 0.5 pounds per million Btu when burning distillate oil and 1.6 pounds per million Btu heat input when burning residual oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average. The source is required to submit records of the sulfur content, heat content, fuel consumption, and sulfur dioxide emission rates, when requested by IDEM, OAQ and OES.

326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving)

Pursuant to 326 IAC 8-5-2, no person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion of any paving application except:

- (a) Penetrating prime coating;
- (b) Stockpile storage; and
- (c) Application during the months of November, December, January, February, and March.

Testing Requirements

Pursuant to 40 CFR 60.93 and 40 CFR 60.8, the source is required to conduct stack testing to demonstrate compliance with the particulate matter emission limit and the opacity limit in 40 CFR 60.92. The testing must be conducted within 60 days of achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. The source is required to notify IDEM, OAQ least 30 days prior to the date of the performance test.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

1. The asphalt plant has applicable compliance monitoring conditions as specified below:
 - (a) Visible emission notations of the dryer stack exhaust shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to

prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

- (b) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the process, at least once per shift when the process is in operation. When or any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with the Compliance Response Plan. The instrument used for determining the pressure shall be subject to approval by IDEM, OAQ, and OES and shall be calibrated at least once every six (6) months.
- (c) An inspection shall be performed within the last month of each calendar quarter of all bags controlling the aggregate mixer and dryer. All defective bags shall be replaced.
- (d) In the event that bag failure has been observed the following provisions shall be followed. For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency.

These monitoring conditions are necessary because the baghouse used to control particulate emissions from the aggregate mixer and dryer must operate properly to ensure compliance with 326 IAC 6-1 (Particulate Emissions Limitations), 326 IAC 2-8 (FESOP Limitations), and 40 CFR 60, Subpart I (326 IAC 12).

Proposed Changes

A global change was made to this Significant Permit Revision changing the Indianapolis office name from "Environmental Resources Management Division (ERMD)" to "Office of Environmental Services (OES)".

In addition to these changes, minor revisions were made to the table of contents so that it reflects the correct page numbers and condition titles.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary hot drum mix asphalt plant.

Responsible Official: Larry E. Young - Vice President
Source Address: 2605 Kentucky Ave., Indianapolis, Indiana 46221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46061~~ **P.O. Box 1585, Zanesville, Ohio 43702**
SIC Code: 2951
County Location: Marion
County Status: Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) ~~One~~ (1) stationary hot asphalt drum mixer and aggregate dryer (unit ID: 001) **(constructed in 2003)**, with a maximum capacity of ~~300~~ **400** tons per hour, equipped with one (1) natural gas-fired burner with a rated heat input of 125 MMBtu per hour, using No.2 fuel oil **No. 4 fuel oil and waste oil** as a backup fuel, controlled by one (1) baghouse (unit ID CE001A) for particulate matter (PM) emissions, and exhausting through one (1) stack (Stack ID: 001).

C.16 Compliance Monitoring Plan - ~~Failure to Take Response Steps~~ Preparation, Implementation, Records, and Reports [326 IAC 2-8-4][326 IAC 2-8-5] [326 IAC 1-6]

- (a) ~~The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:~~
- ~~(1) This condition;~~
 - ~~(2) The Compliance Determination Requirements in Section D of this permit;~~
 - ~~(3) The Compliance Monitoring Requirements in Section D of this permit;~~
 - ~~(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and~~
 - ~~(5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM and ERMD upon request and shall be subject to review and approval by IDEM, OAM, and ERMD. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:~~
 - ~~(A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and~~
 - ~~(B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.~~
- (a) **The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:**

- (1) **Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.**
 - (2) **If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.**
- (b) For each compliance monitoring condition of this permit, ~~appropriate~~ **reasonable** response steps shall be taken when indicated by the provisions of that compliance monitoring condition **as follows:** ~~Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.~~
 - (1) **Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or**
 - (2) **If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.**
 - (3) **If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.**
 - (4) **Failure to take reasonable response steps shall constitute a violation of the permit.**
- (c) ~~After investigating the reason for the excursion, the Permittee is not required to take any excuse from taking further response steps for any of the following reasons:~~
 - (1) ~~The monitoring equipment malfunctioned, giving a false reading~~ **occurs due to the malfunction of the monitoring equipment and** ~~This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.~~
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied. ~~or;~~
 - (3) An automatic measurement was taken when the process was not operating. ~~or~~
 - (4) The process has already returned **or is returning** to operating within "normal" parameters and no response steps are required.

- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.**
- (de) ~~Records shall be kept of~~ The Permittee shall record all instances ~~when response steps are taken~~ in which the compliance-related information was not met and of all ~~response steps taken~~. In the event of an emergency, the provisions of 326 IAC 2-7-16 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.**
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.**

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]

- (a) one (1) stationary hot asphalt drum mixer and aggregate dryer (unit ID: 001) (**constructed in 2003**), with a maximum capacity of ~~300~~ **400** tons per hour, equipped with one (1) natural gas-fired burner with a rated heat input of 125 MMBtu per hour, using No.2 fuel oil, **No. 4 fuel oil, and waste oil** as a backup fuel, controlled by one (1) baghouse (unit ID CE001A) for particulate matter (PM) emissions, and exhausting through one (1) stack (Stack ID: 001).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

D.1.1 Particulate Matter (PM) [326 IAC 12] [326 IAC 6-1-2(a)][40 CFR 60.90, Subpart I] **[326 IAC 2-2] [40 CFR 52.21]**

This emission limitation is equivalent to 7.82 pounds per hour based on an exhaust rate of 42,559 acfm and an exhaust gas temperature and moisture content of 230 degrees Fahrenheit 30 percent respectively. **Compliance with this limit makes 326 IAC 2-2 and 40 CFR 52.21 not applicable.**

D.1.2 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate mixing and drying operation shall not exceed 22.2 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) **and PSD rules (326 IAC 2-2 and 40 CFR 52.21)** do not apply.

D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.50% by weight when combusting distillate oil **and 1.6 pounds per MMBTU heat input when combusting residual oil.**

D.1.4 NO_x Emissions - Natural gas usage [326 IAC 2-8-4] **[326 IAC 2-2] [40 CFR 52.21]**

Pursuant to 326 IAC 2-8-4(1), the input of natural gas and natural gas equivalents to the aggregate dryer burner shall not exceed 1028.95 million cubic feet (MMCF) per twelve (12) consecutive month period, rolled on a monthly basis. For the purposes of determining compliance every 1,000 gallons (kgal) of No.2 fuel oil **or No. 4 fuel oil** burned is equivalent to ~~0.1263~~ **0.20** MMCF of natural gas burned; **and every 1,000 gallons of waste fuel oil burned is equivalent to 0.19 MMCF of natural gas burned.** Therefore, the requirements of 326 IAC 2-7, **326 IAC 2-2, and 40 CFR 52.21** will not apply.

D.1.5 SO₂ Emissions - Fuel oil usage [326 IAC 2-8-4] **[326 IAC 2-2] [40 CFR 52.21]**

Pursuant to 326 IAC 2-8-4(1), the input of No. 2 fuel oil and No.2 fuel oil equivalents to the aggregate dryer shall be limited to, 2,663,662 U.S. gallons per twelve (12) consecutive months, rolled on a monthly basis (based on No. 2 fuel oil having a maximum sulfur content of 0.50%). For purposes of determining compliance: every MMCF of natural gas burned is equivalent to 8.5 gallons of No.2 fuel oil burned; **every gallon of No. 4 fuel oil (with a sulfur content of 0.50%) burned is equivalent to 1.06 gallons of No. 2 fuel burned; and every gallon of waste oil (with a sulfur content of 1.51%) burned is equivalent to 3.13 gallons of No. 2 fuel oil burned.** Therefore, the requirements of 326 IAC 2-7, **326 IAC 2-2, and 40 CFR 52.21** will not apply.

D.1.8 Testing Requirements [326 IAC 2-8-5(1)] **[40 CFR 60, Subpart I]**

During the period between 18 and 24 months after issuance of this permit **Within sixty (60) days of achieving the maximum production rate, but not later than 180 days after initial startup of the aggregate mixer and dryer**, the Permittee shall perform PM and PM-10 testing utilizing Methods 5 or 17 (40 CFR 60, Appendix A) for PM and Methods 201 or 201A and 202 (40 CFR 51, Appendix M) for PM-10, or other methods as approved by the Commissioner to document compliance with Condition D.1.1 and D.1.2. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10.

D.1.9 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight **for distillate fuel oil and 1.51% by weight for residual fuel oil** by:
- (b) Compliance may also be determined by conducting ~~a~~-stack tests for sulfur dioxide emissions from the 125.0 MMBTU per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

D.1.11 Visible Emissions Notations

- (a) ~~Daily~~ Visible emission notations of the aggregate dryer baghouse stack exhaust shall be performed **once per shift** during normal daylight operations ~~when exhausting to the atmosphere~~. A trained employee shall record whether emissions are normal or abnormal.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. **Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports shall be considered a violation of this permit.**

D.1.12 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer, at least once ~~daily~~ **per shift** when the aggregate dryer is in operation when venting to the atmosphere. ~~Unless operated under conditions for which the Compliance Response Plan specifies otherwise,~~ **When for any one reading**, the pressure drop across the baghouse ~~shall be maintained within~~ **is outside** the range of 2.0 and 6.0 inches of water or a range established during the latest stack test, **the Permittee shall take reasonable response steps in accordance with Section C - The Compliance Response Plan - Failure to Take Response. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plant - Preparation, Implementation, Records, and Reports shall be considered a violation of this permit.** ~~for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.~~

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAQ and OES, and shall be calibrated at least once every six (6) months.

D.1.13 Baghouse Inspections

An inspection shall be performed within the last month of each calendar quarter of all bags controlling the drum mixer and dryer. All defective bags shall be replaced.

D.1.14 Broken Bag or Failure Detection

In the event that bag failure has been observed:

- ~~(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced.~~
- ~~(b) Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion.~~
- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.**
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.4415 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.4, the Permittee shall maintain records in accordance with (1) through (2) below.**
 - (2) Actual natural gas and No. 2 distillate fuel oil equivalence usage per month since last compliance determination period and equivalent NOx emissions;**
- (b) To document compliance with Conditions D.1.5 and D.1.9, the Permittee shall maintain records in accordance with (1) through (5) below.**
 - (2) Actual No. 2 distillate fuel oil and natural gas, fuel oil No. 4 and waste oil equivalence usage per month since last compliance determination period and equivalent sulfur dioxide emissions;**

- (c) To document compliance with Condition D.1.11, the Permittee shall maintain **once per shift** records of ~~daily~~ visible emission notations of the aggregate dryer baghouse stack exhaust.
- (d) To document compliance with Condition D.1.12, the Permittee shall maintain the following records as specifically related to the baghouse:
 - (1) ~~Daily~~ **Once per shift** records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure; and
 - (B) Cleaning cycle: frequency and differential pressure.
 - (2) Documentation of all response steps implemented, per event .
 - (3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
 - ~~(8) Documentation of the dates vents are redirected.~~
- (e) **To document compliance with Condition D.1.13, the Permittee shall maintain records of the results of the inspections required under Condition D.1.13.**
- (ef) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.16 Reporting Requirements

D.1.17 Used Oil Requirements

The waste oil burned in the dryer shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:

- (a) **Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),**
- (b) **Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and**
- (c) **Maintaining records pursuant to 329 IAC 13-8-6 (Tracking).**

The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC 3.1 is prohibited at this source.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 463221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46064~~ **P.O. Box 1585, Zanesville, Ohio 43702**
FESOP No.: F097-10435-00165

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46061~~ **P.O. Box 1585, Zanesville, Ohio 43702**
FESOP No.: F097-10435-00165

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2	
9 1.	This is an emergency as defined in 326 IAC 2-7-1(12) CThe Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and CThe Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
9 2.	This is a deviation, reportable per 326 IAC 2-7-5(3)(c) CThe Permittee must submit notice in writing within ten (10) calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46061~~ **P.O. Box 1585, Zanesville, Ohio 43702**
FESOP No.: F097-10435-00135
Facility: Aggregate dryer
Parameter: NOx Emissions
Limit: The input of natural gas and natural gas equivalents to the aggregate dryer burner shall not exceed 1,028.95 million cubic feet (MMCF) per twelve (12) consecutive month period. For purposes of determining compliance, when No.2, fuel oil, **or No. 4 fuel oil** is burned, the following equivalency calculation shall be performed: every 1000 gallons (~~kgal~~) of No.2 fuel oil burned is equivalent to ~~0.1263~~ **0.20** MMCF of natural gas burned; **and every 1,000 gallons of waste fuel oil burned is equivalent to 0.19 MMCF of natural gas.**

YEAR: _____

Month	Natural Gas and equivalent usage (MMCF)	Natural Gas and equivalent usage (MMCF)	Natural Gas and equivalent usage (MMCF/yr)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46064~~ **P.O. Box 1585, Zanesville, Ohio 43702**
FESOP No.: F097-10435-00135
Facility: Aggregate dryer
Parameter: SO₂ Emissions
Limit: The input of No. 2 fuel oil and No.2 fuel oil equivalents to the aggregate dryer shall be limited to 2,663,662 U.S. gallons per twelve (12) consecutive months, rolled on a monthly basis and based on No. 2 fuel oil having a maximum sulfur content of 0.50%. For purposes of determining compliance; ~~when natural gas is burned, the following equivalent calculations shall be performed: every MMCF of natural gas burned is equivalent to 8.5 gallons of No.2 fuel oil burned.~~ **Every gallon of No.4 fuel oil burned (with a sulfur content of 0.50%) is equivalent to 1.06 gallons of No. 2 fuel oil burned, and every gallon of waste oil (with a sulfur content of 1.51%) burned is equivalent to 3.13 gallons of No. 2 fuel oil burned.**

YEAR: _____

Month	No.2 Fuel oil and equivalent usage (U.S. Gallons)	No.2 Fuel oil and equivalent usage (U.S. Gallons)	No.2 Fuel oil and equivalent usage (U.S. Gallons/year)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46061~~ **P.O. Box 1585, Zanesville, Ohio 43702**
FESOP No.: F097-10435-00135
Facility: Stockpile mix
Parameter: VOC
Limit: The usage of diluent in the production of cold mix (stockpile mix) asphalt shall be limited to 336.77 tons per twelve (12) consecutive month period, rolled on a monthly basis. The total for each month shall not exceed the difference between the annual usage limit minus the sum of actual usage from the previous eleven (11) months. This is equivalent to a VOC emission limit of 80.82 tons per twelve (12) consecutive month period in the production of cold mix (stockpile mix) asphalt. During the first twelve (12) months of operation under this permit, the usage of diluent shall be limited such that the total usage divided by the accumulated months of operation shall not exceed 28.06 tons per month.

YEAR: _____

Month	Cold mix asphalt throughput (tons)	Cold mix asphalt throughput (tons)	Cold mix asphalt throughput (tons/year)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY COMPLIANCE MONITORING REPORT**

Source Name: Mar-Zane, Inc.
Source Address: 2605 Kentucky Ave, Indianapolis, Indiana 46221
Mailing Address: ~~P.O. Box 655, Noblesville, Indiana 46061~~ **P.O. Box 1585, Zanesville, Ohio 43702**
FESOP No.: F097-10435-00135

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.3)	Number of Deviations	Date of each Deviation

Form Completed By: _____
Title/Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

Conclusion

This permit revision shall be subject to the conditions of the attached proposed Significant Permit Revision 097-17121-00165.

Appendix A: Emissions Calculations**Natural Gas-fired Rotary Dryer**

Company Name: Mar-Zane, Inc.
Address City IN Zip: 2605 Kentucky Avenue, Indianapolis, IN 46221
SPR: 097-17121
Plt ID: 097-00165
Reviewer: ERG/AAB
Date: March 20, 2003

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

125.0

1095.0

Pollutant				
Emission Factor in lb/MMCF	SO ₂	NO _x	VOC	CO
	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.3	54.8	3.0	46.0

**Emission Factors for NO_x: Uncontrolled = 100, Low NO_x Burner = 50, Low NO_x Burners/Flue gas recirculation = 32

The emissions of PM and PM₁₀ from the Rotary Dryer are estimated using the AP-42 Chapter 11.1 emission factors for asphalt plants, and are shown on page 3. The emissions of SO₂, NO_x, VOC and CO are estimated using the boiler emission factors from AP-42 Chapter 1.4, as shown above. These boiler emission factors are being used for these pollutants based on IDEM guidance.

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Appendix A: Emissions Calculations**Fuel Oil No. 2 Fired Rotary Dryer****Company Name: Mar-Zane, Inc.****Address City IN Zip: 2605 Kentucky Avenue, Indianapolis, IN 46221****SPR: 097-17121****Plt ID: 097-00165****Reviewer: ERG/AAB****Date: March 20, 2003**Heat Input Capacity
MMBtu/hrPotential Throughput
kgals/yearS = Weight % Sulfur
0.5

125.0

7821.4

	Pollutant				
		SO ₂	NO _x	VOC	CO
Emission Factor in lb/kgal		71.0 (142.0 S)	20.0	0.34	5.0
Potential Emission in tons/yr		277.7	78.2	1.3	19.6

The emissions of PM and PM10 from the Rotary Dryer are estimated using the AP-42 Chapter 11.1 emission factors for asphalt plants, and are shown on page 3. The emissions of SO₂, NO_x, VOC and CO are estimated using the boiler emission factors from AP-42 Chapter 1.4, as shown above. These boiler emission factors are being used for these pollutants based on IDEM guidance.

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal/1,000 gal x 1 gal/0.140 MMBtu

Emission Factors are from AP-42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see errata file)

Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal)/2,000 lb/ton

Appendix A: Emissions Calculations**Fuel Oil No. 4 Fired Rotary Dryer****Company Name: Mar-Zane, Inc.****Address City IN Zip: 2605 Kentucky Avenue, Indianapolis, IN 46221****SPR: 097-17121****Plt ID: 097-00165****Reviewer: ERG/AAB****Date: March 20, 2003**

Heat Input Capacity

MMBtu/hr

Potential Throughput

kgals/year

S = Weight % Sulfur

0.5

125.00

7500

Emission Factor in lb/kgal	Pollutant				
		SO ₂ 75 (150S)	NO _x 20.0	VOC 0.20	CO 5.0
Potential Emission in tons/yr		281.3	75.0	0.8	18.8

Methodology

1 gallon of #4 Fuel oil has a heating value of 146,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.146 MMBtu

Emission Factors are from AP 42 Tables 1.3-1, 1.3-2 and 1.3-3 (SCC 1-03-004-02/03, 1-02-004-02/03, and 1-03-004-04)

(AP-42 Supplement E 9/98)

Emission (tons/yr) = Throughput (kgals/year) x Emission Factor (lb/kgal)/2,000 lb/ton

No data are available for HAPs emissions calculations for #4 Fuel oil.

**Appendix A: Emission Calculations
Waste Oil-Fired Dryer**

Company Name: Mar-Zane, Inc.
Address City IN Zip: 2605 Kentucky Avenue, Indianapolis, IN 46221
CP: 097-17121
Pit ID: 097-00165
Reviewer: ERG/AAB
Date: March 20, 2003

Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year	L = Weight % Lead =	S = Weight % Sulfur =
125.0	7877.7	0.01	1.51

			Pollutant				
Emission Factor in lb/kgal			SO ₂ 221.97 (147 S)	NO _x 19.0	TOC 1.0	CO 5.0	Pb 0.6 (55L)
Potential Emission in tons/yr			874.3	74.8	3.9	19.7	2.2

The emissions of PM and PM10 from the Rotary Dryer are estimated using the AP-42 Chapter 11.1 emission factors for asphalt plants, and

Methodology

Emission Factor Units are lb/1000 gal

L = weight% lead in fuel, S = weight % sulfur in fuel

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.139 MM Btu

Emission Factors from AP-42, Chapter 1.11, SCC 1-03-013-02 (Supplement B 10/96)

Emission (tons/yr) = Throughput kgals per year x Emission Factor (lb/kgal)/2,000 lb/ton
condensable included/not included).

See page 2 for HAPs calculations.

Appendix A: Emission Calculations
Waste Oil Combustion
Small Boiler
HAPs Calculations

Company Name: Mar-Zane, Inc.
Address City IN Zip: 2605 Kentucky Avenue, Indianapolis, IN 46221
CP: 097-17121
Pit ID: 097-00165
Reviewer: ERG/AAB
Date: March 20, 2003

	Pollutant					
Emission Factor in lb/kgal	Arsenic 1.10E-01	Cadmium 9.30E-03	Chromium 2.00E-02	Manganese 6.80E-02	Nickel 1.10E-02	Cobalt 2.10E-04
Potential Emission in tons/yr	4.33E-01	3.66E-02	7.88E-02	2.68E-01	4.33E-02	8.27E-04

Methodology is the same as the previous page.

Appendix A: Emission Calculations
Emission Calculations
PM/PM10 Emissions from Drum Asphalt Mixer
Company Name: Mar-Zane, Inc.
Address City IN Zip: 2605 Kentucky Avenue, Indianapolis, IN 46221
SPR: 097-17121
Plt ID: 097-00165
Reviewer: ERG/AAB
Date: March 20, 2003

Maximum Capacity
400 tons/hr

	Uncontrolled Emission Factors
PM	28 lbs/ton
PM-10	6.5 lbs/ton
Total HAPs	0.0078 lbs/ton
Formaldehyde	0.0031 lbs/ton

See page 1 of the appendix for emission estimates for the other pollutants of combustion from the rotary dryer.

Uncontrolled	PM	PM-10	HAPs	Formaldehyde
Emissions (tons/yr)	49056	11388	13.7	5.43

Methodology: (Maximum capacity)*(8760 hr/yr)*(emission factor)*(1 ton/2000 lbs)

* Emission factor are from AP-42 Chapter 11.1, Table 11.1-3 and Table 11.1-10.

* The largest HAP is Formaldehyde.